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## IBM SPSS Statistics Syntax II

### Information

**Length:** 2.0 Days  
**\_\_Ref:** 0G416G-X  
**Delivery method:** Classroom  
**Price:** EUR

### Overview

This syntax course focuses on powerful data transformations (only available in syntax - not in the GUI) and on automation. For automation, the two main topical areas are Macros and the Production Facility. The Macro language is discussed in detail, with examples showing how Macros can make your syntax more efficient, more transparent and easier. The discussion of the Production Facility shows how syntax files can be scheduled in the Windows environment (the same applies to other operating systems).

### Public

This intermediate course is for a natural follow-on to the introductory SPSS Statistics Syntax I course and is for experienced users wishing to become proficient syntax programmers.

### Prerequisites

You should have:

- A knowledge of syntax on the level of SPSS Statistics Syntax I, experience in using syntax **and** a feeling for programming.

### Objective

Please refer to course overview for description information.

### Topics

- Syntax for file operations
  - Merging files
  - Aggregating files
  - Restructuring files
- Syntax using functions in transformations
  - String functions
  - Date and Time functions

- Statistical functions
  - Missing value functions
- Powerful transformations
  - Repeating transformations across numerous variables
  - The LOOP command
  - The VECTOR command
  - Combining the LOOP and VECTOR commands
- Macros
  - The idea of a macro
  - Debugging a macro
  - Using arguments
  - Loop structures
  - Conditional processing of commands
  - Working with string macro-variables
  - General recommendations on handling macros
- The Production facility
  - Introduction to production jobs
  - How to run a production job
  - How to schedule a production job
- The Output Management System (OMS) facility
  - Introduction to OMS
  - Using OMS to save output as a data file
  - Practical examples of OMS